

Claims

- [c1] 1. A method for processing a change of state in a responsive environment comprising:
 - determining a type of response that the environment should provide in response to the change of state;
 - defining response descriptions for the needed response instance in an application model;
 - storing the needed inputs in the response description;
 - creating a new notification;
 - defining a new notification description in a notification model;
 - associating the response descriptions within the new notification description; and
 - providing the new notification to a notification manager.
- [c2] 2. The method of claim 1, wherein:
 - the response comprises launching an application.
- [c3] 3. The method of claim 1, wherein:
 - the response comprises effecting a further change of state.
- [c4] 4. The method of claim 1, wherein:
 - the response comprises launching an application and ef-

fecting a further change of state.

- [c5] 5. The method of claim 1, further comprising:
 - determining if the response includes an immediate response event; and
 - if the response includes an immediate response event, initiating the immediate response event before providing the new notification to a notification manager.
- [c6] 6. The method of claim 5, wherein:
 - the response comprises launching an application and the immediate response event comprises effecting a further change of state.
- [c7] 7. A method for processing a response notification selection from a user in a responsive environment comprising:
 - reporting to the responsive environment that the user has selected the response notification;
 - accessing the description for a notification object corresponding to the selection from a notification model
 - retrieving the URI for a corresponding application;
 - retrieving the description of the application;
 - displaying information about the notification and application parameters to the user; and
 - querying the user to allow the user the opportunity to accept or reject the notification.

- [c8] 8. The method of claim 7, further comprising:
changing the environment context in response to the selection.
- [c9] 9. The method of claim 8, wherein:
changing the environment context in response to the selection comprises notifying the initiator of the initial message.
- [c10] 10. The method of claim 7, further comprising:
terminating processing of the response notification if the user rejects the response notification.
- [c11] 11. The method of claim 10, wherein:
terminating processing comprises terminating an application.
- [c12] 12. The method of claim 7, further comprising:
querying the user to allow the user the opportunity to explicitly accept the notification.
- [c13] 13. The method of claim 12, further comprising:
if the notification is accepted, launching the application using the application parameters.
- [c14] 14. The method of claim 12, further comprising:
querying the user to allow the user the opportunity to accept the notification and to provide input to change

the application parameters.

- [c15] 15. The method of claim 14, further comprising:
if the user provides input to change the application parameters, creating new application parameters based upon user input.
- [c16] 16. The method of claim 15, further comprising:
launching the application using the new application parameters.
- [c17] 17. A system for providing delayed function activation in a responsive environment comprising:
means for determining the type of response that the environment should provide in response to the change of state;
means for defining response descriptions for the needed response instance in an application model;
means for storing the needed inputs in the response description;
means for creating a new notification;
means for defining a new notification description in a notification model;
means for associating the response descriptions within the new notification description; and
means for providing the new notification to a notification manager.

